



**United States Environmental Protection Agency  
Region 9 Laboratory**

**1337 S. 46th Street Building 201  
Richmond, CA 94804**

**Date:** 2/14/2012

**Subject:** Analytical Testing Results - Project R33911  
SDG: 12038C

**From:** Brenda Bettencourt, Director  
EPA Region 9 Laboratory  
MTS-2

**To:** Richard Fetzer  
US EPA Region 3, Eastern Response Branch  
3HS31

Attached are the results from the analysis of samples from the **Dimock Residential Groundwater** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

**Analyses included in this report:**

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Purgeable Petroleum Hydrocarbons by GC/FID



United States Environmental Protection Agency  
**Region 9 Laboratory**

1337 S. 46th Street, Building 201, Richmond, CA 94804  
Phone:(510) 412-2300 Fax:(510) 412-2302

**Project Manager:** Richard Fetzner

**Project Number:** R33911

**Project:** Dimock Residential Groundwater

**US EPA Region 3, Eastern Response Branch**

**100 Gypsum Road**

**Stroudsburg PA, 18360**

**SDG:** 12038C

**Reported:** 02/14/12 15:55

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
EB02	1202017-01	Water	02/05/12 15:00	02/07/12 11:10
HW45	1202017-02	Water	02/06/12 10:28	02/07/12 11:10
HW45-P	1202017-03	Water	02/06/12 11:06	02/07/12 11:10
TB24	1202017-04	Water	02/06/12 07:10	02/07/12 11:10
HW43	1202017-05	Water	02/06/12 12:06	02/07/12 11:10
HW43-P	1202017-06	Water	02/06/12 12:19	02/07/12 11:10
TB23	1202017-07	Water	02/06/12 07:05	02/07/12 11:10

**SDG ID** 12038C

**Work Order(s)**

**1202017**



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## Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
<b>Lab ID: 1202017-01</b>						<b>Water - Sampled: 02/05/12 15:00</b>			
<b>Sample ID: EB02</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0025	02/07/12	02/07/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		111 %		76-121%		"	"	"	
<b>Lab ID: 1202017-02</b>						<b>Water - Sampled: 02/06/12 10:28</b>			
<b>Sample ID: HW45</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	I, Q4, Q6, U	50	ug/L	B2B0025	02/07/12	02/07/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		110 %		76-121%		"	"	"	
<b>Lab ID: 1202017-03</b>						<b>Water - Sampled: 02/06/12 11:06</b>			
<b>Sample ID: HW45-P</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0025	02/07/12	02/07/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		108 %		76-121%		"	"	"	
<b>Lab ID: 1202017-04</b>						<b>Water - Sampled: 02/06/12 07:10</b>			
<b>Sample ID: TB24</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0025	02/07/12	02/07/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		112 %		76-121%		"	"	"	
<b>Lab ID: 1202017-05</b>						<b>Water - Sampled: 02/06/12 12:06</b>			
<b>Sample ID: HW43</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0025	02/07/12	02/07/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		108 %		76-121%		"	"	"	
<b>Lab ID: 1202017-06</b>						<b>Water - Sampled: 02/06/12 12:19</b>			
<b>Sample ID: HW43-P</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0025	02/07/12	02/07/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		105 %		76-121%		"	"	"	
<b>Lab ID: 1202017-07</b>						<b>Water - Sampled: 02/06/12 07:05</b>			
<b>Sample ID: TB23</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0025	02/07/12	02/07/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		112 %		76-121%		"	"	"	



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### Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B2B0025 - 5030 P&T TPH-G - TPH - Purgeable						Prepared & Analyzed: 02/07/12				
Purgeable Petroleum Hydrocarbons by EPA Method 8015C - Quality Control										
Blank (B2B0025-BLK1)										
TPH as Gasoline	ND	U		50 ug/L						
Surrogate: a,a,a-Trifluorotoluene		137		"	125		109	76-121		
LCS (B2B0025-BS1)										
TPH as Gasoline	529			50 ug/L	500		106	75-114		200
Surrogate: a,a,a-Trifluorotoluene		142		"	125		114	76-121		
Matrix Spike (B2B0025-MS1)		Source: 1202017-02								
TPH as Gasoline	571			50 ug/L	500	ND	114	71-114		11
Surrogate: a,a,a-Trifluorotoluene		142		"	125		114	76-121		
Matrix Spike Dup (B2B0025-MSD1)		Source: 1202017-02								
TPH as Gasoline	300			50 ug/L	500	ND	60	71-114	62	11
Surrogate: a,a,a-Trifluorotoluene		139		"	125		112	76-121		



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**Qualifiers and Comments**

Q6 Matrix spike/matrix spike duplicate precision criteria were not met for this analyte (see MS/MSD results for this batch in QC summary).

Q4 The matrix spike and/or matrix spike duplicate associated with this sample did not meet recovery criteria for this analyte (see MS/MSD results for this batch in QC summary)

J The reported result for this analyte should be considered an estimated value.

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.